VERSION: The version of this Message Mapping Guide is Version 1.01 dated January 6, 2010.

"This artifact is considered to be a technical document. Please contact PHINTech@cdc.gov, copying the NEDSS team at NEDSS@cdc.gov for assistance with this artifact."

This Message Mapping Guide describes the content and message mapping specifications for the set of data elements used to communicate information to meet the requirements for Influenza-Associated Pediatric Mortality Case Notifications to CDC. The intended audiences for this document are the state/local and CDC programs and other public health related organizations interested in using the HL7 V2.5 Case Notification Message Specification for transmitting their data elements to CDC.

References
National Condition Reporting, Notifiable Events and Reporting Mechanisms for 2009, Division of Integrated Surveillance Systems and Services, National Center for Public Health Informatics, Centers for Disease Control and Prevention, June 2009.

National Notification Message Structure Specification version 2.0 is used to inform the mapping methodology for this guide. The ORU^R01 - Unsolicited Observation Message is the HL7 standard message used to pass the Nationally Notifiable Condition Report message. The National Notification message is used to convey a limited data set of investigation/surveillance information to meet national reporting requirements, where CDC is the only receiver. This document specifies the structure and methodology for the use of the Health Level 7 (HL7) Version 2.5 Unsolicited Result Message (ORU^R01) that supports the electronic interchange of any Nationally Notifiable Condition message from public health entities to the CDC.

Column	Description
Program Variables Column Headings	
PHIN Variable ID	PHIN data element identifier drawn from the coding system PH_PHINQuestions_CDC.
Label	Short name for the data element, which is passed in the message.
Description	Description of the data element. It may not match exactly with the description in PHIN Questions, because there may be local variations on the description that do not change the basic concept being mapped to the PHIN Question identifier.
Data Type	Data type for the variable response expected by the program area. Data Types are Coded, Numeric, Date or Date/time, and Text.
CDC Priority	Indicator whether the program specifies the field as: **R - Required** - Mandatory for sending the message. If data element is not present , the message will error out. **P - Preferred** - This is an optional variable and there is no requirement to send this information to CDC. However, if this variable is already being collected by the state/territory or if the state/territory is planning to collect this information because it is deemed important for your own programmatic needs, CDC would like this information sent. CDC preferred variables are the most important of the optional variables to be earmarked for CDC analysis/assessment, even if sent from a small group of states. **O - Optional** - This is an optional variable and there is no requirement to send this information to CDC. This variable is considered nice-to-know if the state/territory already collects this information or is planning to collect this information, but has a lower level of importance to CDC than the preferred classification of optional data elements.
May Repeat	Indicator whether the response to the data element may repeat. "Y" in the field indicates that it may repeat. If the response does not repeat, the field is not populated or contains "N". Data elements that repeat require special processing.
Value Set Name	Name of the pre-coordinated value set in PHIN-VADS from which the response is drawn. The value sets and coding systems are accessible via the Public Health Information Network Vocabulary Access and Distribution Services. To obtain the valid code set and coding systems for the **Influenza-Associated Pediatric Mortality** implementation message mapping guide, complete the following steps: 1. Go to **http://phinvads.cdc.gov**. 2. Click on the **Views** hyperlink 3. Enter **Influenza-Associated Pediatric Mortality** in the lookup box and press the Search Views button. 4. Click on **Details** next to Influenza-Associated Pediatric Mortality Case Notification to obtain the valid code set..
Value Set Code	Name of the pre-coordinated value set in PHIN-VADS from which the response is drawn. The value sets and coding systems are accessible via the Public Health Information Network Vocabulary Access and Distribution Services. To obtain the valid code set and coding systems for the **Peds Flu** implementation message mapping guide, complete the following steps: 1. Go to **http://phinvads.cdc.gov**. 2. Click on the **Views** hyperlink 3. Enter **Influenza-Associated Pediatric Mortality** in the lookup box and press the Search Views button. 4. Click on **Details** next to Influenza-Associated Pediatric Mortality Case Notification to obtain the valid code set..
Message Mapping Methodology Column Headings	
Message Context	Specific HL7 segment and field mapping for the element.
HL7 Data Type	HL7 data type used by PHIN to express the variable. Datatypes expected are CWE, SN, TS, ST, TX, XPN, XTN, or XAD, depending on the type of data being passed.
HL7 Optionality	Indicates if the field is required, optional, or conditional in a segment. The only values that appear in the Message Mapping are: **R** – Required. Must always be populated **O** – Optional. May optionally be populated.
Implementation Notes	Related implementation comments.

PHIN Variable ID	Label/Short Name	Description	Data Type	CDC Priority	May Repeat	Value Set Name	Value Set Code	HL7 Message Context	HL7 Data Type	HL7 Optionality	HL7 Implementation Notes
NOT108	Notification ID	The unique identifier for the notification record.	Text	R				MSH-10-Message Control ID.	ST	R	If notification ID is not unique, a timestamp may be appended. No UID or label is passed in the message.
NOT114	Receiving Application	CDC's PHIN Common Data Store (CDS) is the Receiving Application for this message.	OID	R				MSH-5-Receiving Application.	HD	R	Literal Value: 'PHINCDS^2.16.840.1.114222.4.3.2.10^ISO'
NOT115	Message Profile ID	First instance is the reference to the structural specification used to validate the message. Second instance is the reference to the PHIN Message Mapping Guide from which the content is derived.	Text	R	Y/2			MSH-21-Message Profile ID.	EI	R	First instance literal value: 'NND_ORU_v2.0^PHINProfileID^2.16.840.1.114222.4.10.3^ISO' Second instance literal value: 'IAM_Case_Map_v1.0^PHINMsgMapID^2.16.840.1.114222.4.10.4^ISO'.
DEM197	Local Subject ID	The local ID of the Subject/Entity.	Text	R				PID-3-Patient Identifier List	CX	R	PID-3.1-ID Number is the local Subject ID from the sending system's internally assigned Subject id; PID-3.4-Assigning Authority format <localID&OID&ISO> Does not pass Variable ID or label.
DEM100	Subject Name Type	Name is not requested by the program, but the Patient Name field is required to be populated for the HL7 message to be valid. Have adopted the HL7 convention for processing a field where the name has been removed for de-identification purposes.	Coded	R	Y/2	Name Type (HL7)	PHVS_NameType_HL7_2x	PID-5.7-Patient Name Type	XPN	R	Literal value: |~^^^^^^S| Patient Name Type is passed in the second instance as HL7 reserves the first instance of the name field for Legal Name.
INV168	Local Record ID	Sending system-assigned local ID of the case investigation with which the Subject is associated.	Text	R				OBR-3-Filler Order Number	EI	R	OBR-3.1 is the internally assigned case/investigation ID. OBR-3.3 is the OID for sending application as assigning authority. OBR-3.4 is the literal value: 'ISO'. The same value is used for each OBR segment, and the UID and label are not passed in the message.
NOT099	Subject Type	Type of subject for the notification. "Person", "Place/location", or "Non-Person Living Subject" are the appropriate subject types for Notifications to CDC.	Coded	R		Notification Section Header	PHVS_NotificationSectionHeader_CDC	First OBR Segment-OBR-4-Universal Service ID.	CE	R	Literal value: 'PERSUBJ^Person Subject^CDCPHINVS'

PHIN Variable ID	Label/Short Name	Description	Data Type	CDC Priority	May Repeat	Value Set Name	Value Set Code	HL7 Message Context	HL7 Data Type	HL7 Optionality	HL7 Implementation Notes
NOT101	Notification Type	Type of notification. Notification types are "Individual Case", "Environmental", "Summary", and "Laboratory Report".	Coded	R		Notification Section Header	PHVS_NotificationSectionHeader_CDC	Second OBR Segment-OBR-4-Universal Service ID.	CE	R	Literal Value: 'NOTF^Individual Case Notification^CDCPHINVS' No UID or label is passed in the message.
NOT103	Date First Submitted	Date/time the notification was first sent to CDC. This value does not change after the original notification.	Date/time	R				OBR-7-Observation Date/time.	TS	R	The same value is used for each OBR segment, and the UID and label are not passed in the message.
NOT106	Date of Report	Date/time this version of the notification was sent. It will be the same value as NOT103 for the original notification. For updates, this is the update/send date/time.	Date/time	R				OBR-22-Result Report/Status Chg Date/time.	TS	R	The same value is used for each OBR segment, and the UID and label are not passed in the message.
INV169	Condition Code	Condition or event that constitutes the reason the notification is being sent.	Coded	R		Nationally Notifiable Disease Surveillance System (NNDSS) and Other Conditions of Public Health Importance	PHVS_NotifiableEvent_Disease_Condition_CDC_NNDSS	OBR-31-Reason for Study.	CE	R	Default value in each OBR instance: '11061^Influenza-associated Pediatric Mortality^NND' The UID and label are not passed in the message.
DEM115	Birth Date	Date of birth in YYYYMMDD format	Date	P				PID-7-Date/Time of Birth	TS	O	The UID and label are not passed in the message.
DEM113	Subject's Sex	Subject's current sex.	Coded	P		Sex (MFU)	PHVS_Sex_MFU	PID-8-Administrative Sex	IS	O	The UID and label are not passed in the message.
DEM152	Race Category	Field containing one or more codes that broadly refer to the Subject's race(s).	Coded	P	Y	Race Category	PHVS_RaceCategory_CDC	PID-10-Race	CE	O	To send an "Unknown" because the application allows Unknown to be selected (that is, not as a default value): PID-10 would appear as |UNK^Unknown^NULLFL| The UID and label are not passed in the message.
DEM165	Subject's Address County	County of residence of the subject.	Coded	P		County	PHVS_County_FIPS_6-4	PID-11.9-Patient Address - County	IS	O	The entire address construct (PID-11) may repeat per HL7 but only expecting the first instance to be populated and parsed.
DEM162	Subject's Address State	State of residence of the subject.	Coded	O		State	PHVS_State_FIPS_5-2	PID-11.4-Patient Address - State	ST	O	The entire address construct (PID-11) may repeat per HL7 but only expecting the first instance to be populated and parsed.
DEM155	Ethnic Group Code	Ethnic origin or ethnicity is based on the individual's self-identity of the Subject as Hispanic or Latino.	Coded	P		Ethnicity Group	PHVS_EthnicityGroup_CDC	PID-22-Ethnic Group	CE	O	To send an "Unknown" because the application allows Unknown to be selected (that is, not as a default value): PID-22 would appear as |UNK^Unknown^NULLFL| The UID and label are not passed in the message.
NOT109	Reporting State	State reporting the notification.	Coded	R		State	PHVS_State_FIPS_5-2	Observation/OBX Segment with this variable ID and label	CWE	O	Two digit numeric FIPS code
NOT113	Reporting County	County reporting the notification.	Coded	R		County	PHVS_County_FIPS_6-4	Observation/OBX Segment with this variable ID and label	CWE	O	Five digit numeric FIPS code
NOT116	National Reporting Jurisdiction	National jurisdiction reporting the notification to CDC.	Coded	R		National Reporting Jurisdiction	PHVS_NationalReportingJurisdiction_NND	Observation/OBX Segment with this variable ID and label	CWE	O	

PHIN Variable ID	Label/Short Name	Description	Data Type	CDC Priority	May Repeat	Value Set Name	Value Set Code	HL7 Message Context	HL7 Data Type	HL7 Optionality	HL7 Implementation Notes
INV109	Case Investigation Status Code	Status of the investigation. For example, *open* or *closed*.	Coded	O		Case Investigation Status	PHVS_CaseInvestigationStatus_NND	Observation/OBX Segment with this variable ID and label	CWE	O	
INV110	Investigation Date Assigned	Date the investigator was assigned to this investigation.	Date	O				Observation/OBX Segment with this variable ID and label	TS	O	
INV132	Admission Date	Subject's admission date to the hospital for the condition covered by the investigation	Date	O				Observation/OBX Segment with this variable ID and label	TS	O	
INV137	Date of Illness Onset	Date of the beginning of the illness. Reported date of the onset of symptoms of the condition being reported to the public health system	Date	P				Observation/OBX Segment with this variable ID and label	TS	O	
INV146	Deceased Date	If the patient died from this illness or complications associated with this illness, indicate the date of death	Date	R				Observation/OBX Segment with this variable ID and label	TS	O	
INV162	Confirmation Date	If an investigation is confirmed as a case, the confirmation date is entered.	Date	R				Observation/OBX Segment with this variable ID and label	TS	O	
INV163	Case Class Status Code	Status of the case/event as suspect, probable, confirmed, or not a case per CSTE/CDC/ surveillance case definitions.	Coded	R		Case Classification Status	PHVS_CaseClassStatus_NND	Observation/OBX Segment with this variable ID and label	CWE	O	
INV165	MMWR Week	MMWR Week for which case information is to be counted for MMWR publication.	Numeric	R				Observation/OBX Segment with this variable ID and label	SN	O	
INV166	MMWR Year	MMWR Year (YYYY) for which case information is to be counted for MMWR publication.	Date	R				Observation/OBX Segment with this variable ID and label	TS	O	
INV173	State Case ID	States use this field to link NEDSS investigations back to their own state investigations.	Text	O				Observation/OBX Segment with this variable ID and label	ST	O	
INV176	Date of First Report to CDC	Date the case was first reported to the CDC	Date	P				Observation/OBX Segment with this variable ID and label	TS	O	
INV177	Date First Reported PHD	Earliest date the case was reported to the public health department whether at the local, county, or state public health level	Date	P				Observation/OBX Segment with this variable ID and label	TS	O	
INV190	Person Reporting to CDC - Name	Name of the Person who is reporting the case to the CDC	Text	O				Observation/OBX Segment with this variable ID and label	XPN	O	Expected format: '|<Last Name>^<First Name>|'
INV191	Person Reporting to CDC - Phone Number	Phone Number of the Person who is reporting the case to the CDC	Text	O				Observation/OBX Segment with this variable ID and label	XTN	O	**Expected format:** *Work Telephone Number :* '|^WPN^PH^^^734^6777777|'
INV193	Person Reporting to CDC - Email	Email Address of the person reporting the case to the CDC	Text	O				Observation/OBX Segment with this variable ID and label	XTN	O	**Expected format:** *Work Email Address:* '|^WPN^Internet^someone@somewhere.com|'
INV200	Legacy Case ID	CDC uses this field to link current case notifications to case notifications submitted by a previous system (NETSS, STD-MIS, etc.)	Text	P				Observation/OBX Segment with this variable ID and label	CWE	O	Legacy Case ID is expected in the fifth component of the CWE datatype. For a NETSS case ID, please use the following format: Case ID(6) - State(2) - Site(3) - Year(4) ex: CaseId01LAB2009
INV2001	Age at case investigation	Subject age at time of case investigation.	Numeric	P				Observation/OBX Segment with this variable ID and label	SN	O	

PHIN Variable ID	Label/Short Name	Description	Data Type	CDC Priority	May Repeat	Value Set Name	Value Set Code	HL7 Message Context	HL7 Data Type	HL7 Optionality	HL7 Implementation Notes
INV2002	Age units at case investigation	Subject age units at time of case investigation	Coded	P		Age unit	PHVS_AgeUnit_UCUM	OBX-6-Units	CE	O	Part of the INV2001 Observation/OBX Segment. The UID and label are not passed in the message.
						Form Data					
INV275	Autopsy Performed	Was an autopsy performed?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
INV276	Cardiac/Respiratory Arrest	Did cardiac/respiratory arrest occur outside the hospital?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
INV277	Death Location	Where did the subject die?	Coded	P		Death Location (Flu)	PHVS_DeathLocation_Flu	Observation/OBX Segment with this variable ID and label	CWE	O	To send an "Other" location, populate the 1st 3 components of the CWE with the standard code defined defined in PHIN VADs, and also populate the 9th component with the specified location.
						CDC Laboratory Specimen Related					
LAB518	Pathology Specimen sent to CDC IDPB	Were pathology specimens sent to CDC's Infectious Diseases Pathology Branch?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
LAB202	Specimen ID	Specimen ID assigned to the pathology specimen.	Text	P				Observation/OBX Segment with this variable ID and label	ST	O	To identify a Specimen as a Pathology Specimen (LAB518), set OBX-4='P'.
LAB515	Flu Isolate sent to CDC Flu Division	Were influenza isolates or original clinical material sent to CDC's Influenza Division?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
LAB202	Specimen ID	Specimen ID assigned to the Flu Isolate specimen.	Text	P				Observation/OBX Segment with this variable ID and label	ST	O	To identify a Specimen as a Flu Isolate (LAB515), set OBX-4='F'.
LAB519	Staph isolate sent to CDC DHQP	Were Staph aureus isolates sent to CDC's Division of Healthcare Quality Promotion?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
LAB202	Specimen ID	Specimen ID assigned to the Staph isolate specimen.	Text	P				Observation/OBX Segment with this variable ID and label	ST	O	To identify a Specimen as a Staph isolate (LAB519), set OBX-4='S'.
						Repeating Lab Questions for Influenza testing					
INV290	Test Type	Epidemiologic interpretation of the type of test(s) performed for this case.	Coded	P		Lab Test Procedure (Pediatric Flu)	PHVS_LabTestProcedure_PediatricFlu	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
INV291	Test Result	Epidemiologic interpretation of the results of the tests performed for this case.	Coded	P		Lab Test Interpretation (Pediatric	PHVS_LabTestInterpretation_PediatricFlu	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc. To send an "Influenza virus co-infection", populate the 1st 3 components of the CWE with the standard code defined defined in PHIN VADs, and also populate the 9th component with the specified co-infection.

PHIN Variable ID	Label/Short Name	Description	Data Type	CDC Priority	May Repeat	Value Set Name	Value Set Code	HL7 Message Context	HL7 Data Type	HL7 Optionality	HL7 Implementation Notes
LAB101	Resulted Test Name	Name of the test to be resulted in Coded Lab Test Results (LAB192).	Coded	P		Microbiology Test Result Name	PHVS_MicrobiologyLabTestResultName_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
LAB192	Coded Lab Test Results	Coded Results of Resulted Test Name (LAB101)	Coded	P		Microorganism	PHVS_Microorganism_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
LAB163	Date Collected	Date of specimen collection	Date	P				Observation/OBX Segment with this variable ID and label	TS	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
						End of Repeating Lab Questions					
LAB520	Sterile site specimen collected	Was a specimen collected for bacterial culture from a normally sterile site (e.g., blood, cerebrospinal fluid, tissue, or pleural fluid) ?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
						Repeating Lab Questions Pathogens from Sterile (Invasive) Sites					
LAB166	Specimen Site	Indicates the physical location of the subject where the specimen originated	Coded	P		Body Site	PHVS_BodySite_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
LAB525	Sterile Specimen Type	Indicates the type of specimen used in testing the resulted test.	Coded	P		Sterile Specimen (Pediatric Flu)	PHVS_SterileSpecimen_PediatricFlu	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc. To send an "Other" sterile specimen, populate the 1st 3 components of the CWE with the standard code defined defined in PHIN VADs, and also populate the 9th component with the specified specimen.
LAB524	Qualitative Test Interpretation	Qualitative interpretation of testing performed on the specimen identified by Specimen Type (LAB203)	Coded	P		Positive Negative Unknown	PHVS_PosNegUnk_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
LAB163	Date Collected	Date of specimen collection	Date	P				Observation/OBX Segment with this variable ID and label	TS	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.

PHIN Variable ID	Label/Short Name	Description	Data Type	CDC Priority	May Repeat	Value Set Name	Value Set Code	HL7 Message Context	HL7 Data Type	HL7 Optionality	HL7 Implementation Notes
LAB523	Organism Cultured	Organism cultured from specimen	Coded	P	Y	Microorganism (Pediatric Flu)	PHVS_Microorganism_PediatricFlu	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc. To send an "Other" cultured organism, populate the 1st 3 components of the CWE with the standard code defined defined in PHIN VADs, and also populate the 9th component with the specified organism.
						End of Repeating Lab Questions					
LAB521	Respiratory specimen collected	Were other respiratory specimens collected for bacterial culture (e.g., sputum, ET tune aspirate)?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
						Repeating Lab Questions Pathogens from Non-Sterile Sites					
LAB166	Specimen Site	Indicates the physical location of the subject where the specimen originated	Coded	P		Body Site	PHVS_BodySite_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
LAB526	Non-Sterile Specimen Type	Indicates the type of specimen used in testing the resulted test (LAB101).	Coded	P		Non-Sterile Specimen (Pediatric Flu)	PHVS_NonSterileSpecimen_PediatricFlu	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc. To send an "Other" non-sterile specimen, populate the 1st 3 components of the CWE with the standard code defined defined in PHIN VADs, and also populate the 9th component with the specified specimen.
LAB524	Qualitative Test Interpretation	Qualitative interpretation of testing performed on the specimen identified by Specimen Type (LAB203)	Coded	P		Positive Negative Unknown	PHVS_PosNegUnk_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
LAB163	Date Collected	Date of specimen collection	Date	P				Observation/OBX Segment with this variable ID and label	TS	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
LAB523	Organism Cultured	Organism cultured from specimen	Coded	P	Y	Microorganism (Pediatric Flu)	PHVS_Microorganism_PediatricFlu	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc. To send an "Other" cultured organism, populate the 1st 3 components of the CWE with the standard code defined defined in PHIN VADs, and also populate the 9th component with the specified organism.
						End of Repeating Lab Questions					

PHIN Variable ID	Label/Short Name	Description	Data Type	CDC Priority	May Repeat	Value Set Name	Value Set Code	HL7 Message Context	HL7 Data Type	HL7 Optionality	HL7 Implementation Notes
LAB522	Autopsy specimen collected	Was a specimen (e.g., fixed lung tissue) collected from an autopsy for testing of bacterial pathogens by a local or state pathologist?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
INV230	Mechanical Ventilation	If the subject was hospitalized, did the subject require mechanical ventilation?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
Clinical Diagnoses and Complications											
INV280	Did Complications occur?	Did the subject have any complications that occured during the acute illness/condition?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
INV281	Complication(s)	Listing of complications as related to the condition/illness	Coded	P	Y/20	Acute Illness Complications (Pediatric Flu)	PHVS_AcuteIllnessComplications_PediatricFlu	Observation/OBX Segment with this variable ID and label	CWE	O	To send an "Other" complication, populate the 1st 3 components of the CWE with the standard code defined defined in PHIN VADs, and also populate the 9th component with the specified complication.
Underlying Conditions											
INV235	Did Underlying Condition(s) exist?	Did the subject have any pre-existing medical conditions before the start of the illness/condition?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
INV236	Underlying Condition(s)	Listing of pre-existing conditions as related to the condition/illness	Coded	P	Y/20	Underlying Conditions (Pediatric Flu)	PHVS_UnderlyingConditions_PediatricFlu	Observation/OBX Segment with this variable ID and label	CWE	O	To send a "Pregnancy" underlying condition and specify the gestation age, populate the 1st 3 components of the CWE with the standard code defined defined in PHIN VADs for "Pregnancy", and also populate the 9th component with the gestation age in weeks. To send an underlying condition that requests a specification of the answer, populate the 1st 3 components of the CWE with the standard code defined defined in PHIN VADs, and also populate the 9th component with the specified underlying condition.
Medication and Therapy History											
INV262	Treatment received 7 days prior to illness onset	Was patient receiving any of the listed therapies in the 7 days prior to illness onset or after illness onset? Enter all that apply.	Coded	P	Y	Therapy 7 Days Prior or After	PHVS_Therapy7DaysPriorOrAfterIllnessOnset	Observation/OBX Segment with this variable ID and label	CWE	O	
INV263	Treatment received prior to illness onset	Was patient receiving any of the listed therapies prior to illness onset? Enter all that apply.	Coded	P	Y	Therapy Prior Illness Onset (Pediatric Flu)	PHVS_TherapyPriorIllnessOnset_PediatricFlu	Observation/OBX Segment with this variable ID and label	CWE	O	

PHIN Variable ID	Label/Short Name	Description	Data Type	CDC Priority	May Repeat	Value Set Name	Value Set Code	HL7 Message Context	HL7 Data Type	HL7 Optionality	HL7 Implementation Notes
INV264	Treatment received after illness onset	Was patient receiving any of the listed therapies after illness onset? Enter all that apply.	Coded	P	Y	Therapy After Illness Onset (Pediatric Flu)	PHVS_TherapyAfterIllnessOnset_PediatricFlu	Observation/OBX Segment with this variable ID and label	CWE	O	To send a therapy that requests a specification of the answer, populate the 1st 3 components of the CWE with the standard code defined defined in PHIN VADs, and also populate the 9th component with the specified therapy or treatment.
						Vaccine History					
VAC122	Seasonal Influenza Vaccine	Was the patient vaccinated for seasonal influenza for the current flu season?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
VAC125	2009 Influenza A (H1N1) Vaccine	Did the patient receive any 2009 Influenza A (H1N1) vaccine during the current flu season (before illness)?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
VAC123	Previous Seasonal Influenza Vaccine	Has the patient been vaccinated for seasonal influenza for previous flu seasons?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
VAC124	Did subject receive 2 doses in previous season?	If the subject received any influenza vaccine in previous seasons and the subject was less than 9 years of age at the time of death, did the subject receive 2 doses of vaccine during a previous season?	Coded	P		Yes No Unknown (YNU)	PHVS_YesNoUnknown_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	
						Repeating Vaccine Questions					
VAC101	Vaccine Administered	Specify influenza vaccine received before illness onset.	Coded	P		Vaccines Administered (Pediatric Flu)	PHVS_VaccinesAdministered_PediatricFlu	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
VAC120	Vaccine Dose Number	The vaccine dose number in series of vaccination for this condition/illness.	Numeric	P				Observation/OBX Segment with this variable ID and label	SN	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
VAC121	Vaccine Timing	The timing of when the vaccine was given in reference to the illness onset.	Coded	P		Timing Prior To Illness Onset	PHVS_TimingPriorToIllnessOnset_CDC	Observation/OBX Segment with this variable ID and label	CWE	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
VAC103	Vaccine Administered Date	The date that the vaccine was administered. Fourth question of a repeating group of vaccine questions.	Date	P				Observation/OBX Segment with this variable ID and label	TS	O	component of repeating block - first group OBX-4='1', second group OBX-4='2', etc.
						End Repeating Vaccine Questions					

Date	Version	Description
1/6/2010	1.01	INV173 (*State Case ID*) was incorrectly listed as a CWE datatype. The correct listing is a ST datatype.
1/6/2010	1.01	Corrected date for reference: National Condition Reporting Notifiable Events and Reporting Mechanisms for 2009, to correspond with posted reference.